

AMANO

AGP-5200 Series

Fee Computer

INSTALLATION / CONFIGURATION MANUAL



Amano Cincinnati, Inc. reserves the right to make equipment changes and improvements which may not be reflected in this document. Portions of this document may have been updated to include the latest hardware or firmware version, if applicable. This manual reflects AGP-5200 Fee Computers shipped with software version 1.6 after November 1, 1999.

We recommend that this document be read in its entirety before any attempt is made to operate the equipment.

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Chapter 1: INTRODUCTION

How to Use this Manual

This manual is intended to be a reference guide for Amano Cincinnati, Inc. distributors and their service technicians. Only these qualified technical personnel may install and service this equipment. Read and understand the procedures in this manual before you install and operate the AGP-5200 Fee Computer. Refer to the following chapters for AGP-5200 Fee Computer Information:

Introduction: This chapter will provide a brief overview of the AGP-5200 Fee Computer and an introduction to the unit's features.

Specifications: Chapter Two contains specific technical information about the Fee Computer unit.

Installation: Chapter Three will help you to determine the system requirements, installation location, and wiring connections.

Configuration: Chapter Four contains step by step instructions for the Configuration utility used to prepare the Fee Computer for operation.

System Concepts

The AGP-5200 Fee Computer from Amano Cincinnati, Inc. automatically calculates parking fees when combined with a revenue control system in a parking facility. The Fee Computer can accept ticket information in three ways (Validator, Swipe Reader, or manually) depending upon how your particular system is set up. Parking attendants can simply insert magnetically encoded tickets into the AGP-5600 Ticket Validator to calculate a fee or slide it through the built in swipe reader on the Fee Computer console. Attendants can also manually key in the entry ticket information to initiate fee calculation. License Plate Inventory, Journal Printer and Slip Printer options are also available with the Fee Computer.

The AGP-5200 is a user friendly and secure system, which supports multiple payment types and generates a wide range of reports. The AGP-5200 is a PC based system with a modular design that features a color LCD monitor, a custom keyboard designed to ensure ease of operation, a compact printer, a built-in credit card and ticket reader, and one standard cash drawer. (A second cash drawer is optional.)

The Fee Computer is combined with the AGP-5900 Fee Display, the AGP-5600 Ticket Validator or the AGP-0505 Slip Printer, and the AGP-0500 Lock Box to create a complete revenue control system. The Fee Computer system is used in conjunction with AGP-2000, ETP-12/22, or TF-2590 Ticket Dispensers installed in the facility, or any other ticket dispenser that issues tickets printed with the entry time and date.

The Pay On Entry feature allows you to configure your Fee Computer to accept payment when a vehicle enters your facility. The Fee Computer is used to control both the entry and exit lane. Upon entry, the patron is charged a fixed fee. The Fee Computer may instruct the ETP-22 Ticket Dispenser to issue a special ticket, or the

cashier may insert a ticket into the Validator for encoding, depending upon the configuration of your facility. This ticket is issued to the patron. Upon exiting, the ticket will be inserted into the validator and as long as the customer had not exceeded their allowed time the gate will open and the patron will exit the facility.

The AGP-5200 also includes the following features:

- Calculates parking fees for up to one year
- Contains eight standard automatically selected rate structures in addition to nine manually selected rate structures.
- Payment is accepted by cash, credit card, check and store discount coupons
- Comprehensive management reports available on demand
- Provides ticket tracking and alarms
- Customizable receipts
- Barrier gate control
- Arming capability
- Cash drawer control
- Pay on Entry, Central Pay or Pay on Exit capabilities

External Features

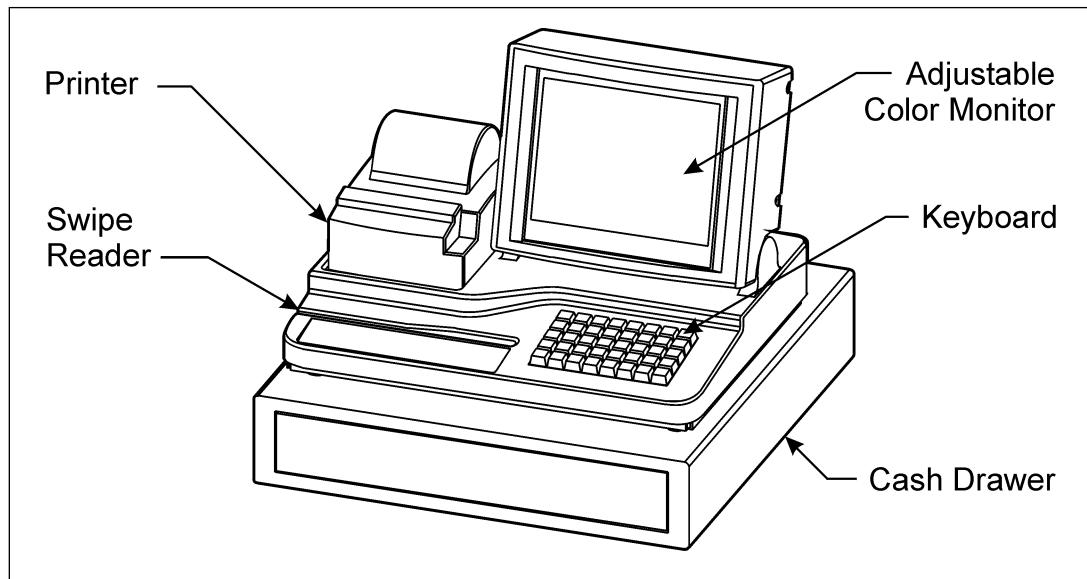


Figure 1-1, The AGP-5200 Fee Computer

- **Printer** is used for printing transaction receipts, credit card and short pay agreements, and reports.
- **Swipe Reader** is used to read the magnetic encoding on a credit card or mag stripe tickets.
- **Cash Drawer** is used the same way that a cash register drawer is used to hold currency, coins, checks and so on.
- **Keyboard** is used to type input into the fee computer for all transactions.
- **Adjustable Color Monitor** is used for graphic information on transactions or functions that are being performed on the Fee Computer at any point in time.

Chapter 2: SPECIFICATIONS

Housing

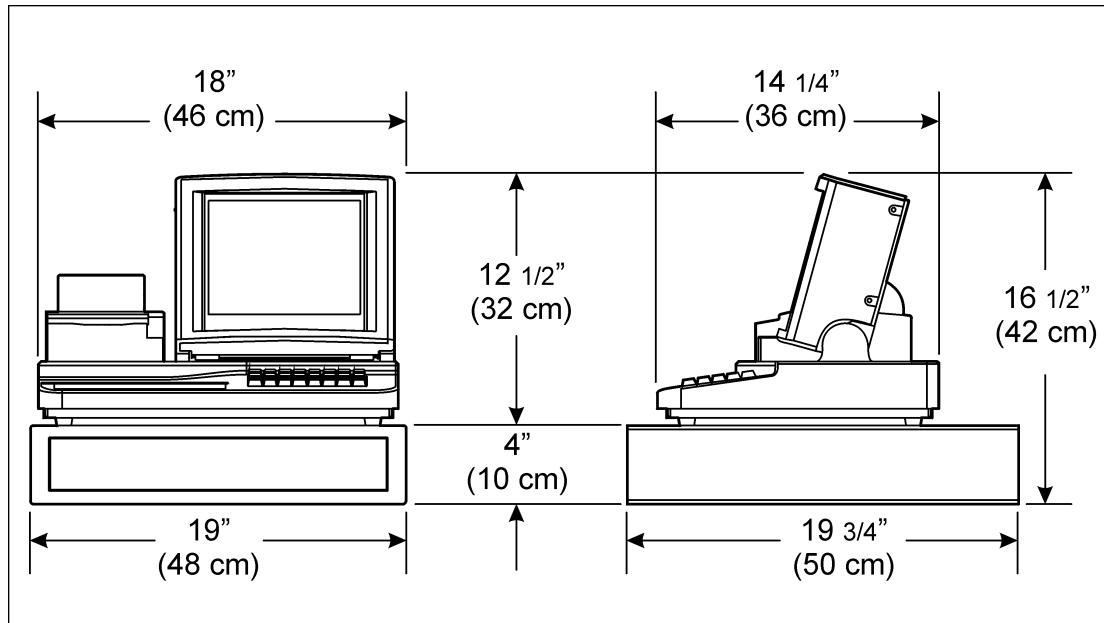


Figure 2 - 1, Dimensions of the AGP-5200 Fee Computer and Cash Drawer

Size:	12 1/2" (32 cm) high x 18" (46 cm) wide x 14 1/4" (36 cm) deep
Weight:	24 lbs. (11 kg)
Finish:	Beige housing (RAL 9002)
Keyboard:	5 x 8 Matrix, Alpha-numeric Keypad with 10 Function Keys Connector for full standard PC keyboard (service application only)
Reader:	Built-in Ticket and Credit Card Reader
Display:	10.4" Active Matrix LCD Color Monitor
Access:	Completely removable two piece cover
Printer:	Thermal Printer with automatic cutter
Cash Drawer:	One cash drawer included. Optional double cash drawer operation. 4" (10 cm) high x 19" (48 cm) wide x 19 3/4" (50 cm) deep 24 lbs. (11 kg) Dark grey (RAL 7030) housing

Electrical

Power Source:	Input Voltage	Current	Model No.
	100/120VAC, 50/60 Hz	1.5 A max	AGP-5210
	220/240VAC, 50/60 Hz	0.75 A max	AGP-5220
Power Protection:	Short Circuit Protection Overload Protection with auto-recovery Free air convection cooling system		
Environment:	41° F ~ 104° F (5°C ~ 40°C) ambient temperature 35% ~ 85% humidity (non-condensing)		
Safety:	Main power cord used as disconnect device. Unit does not have a power On/Off switch.		

Operational Features

Micro Processor:	High Speed 586 type (<i>Pentium®</i> like)
Communications:	RS-485 & RS-232C
Clock:	PC Real Time Clock 7 year internal clock retention
Journal:	Stored on hard disk Can be printed upon request Can be printed on-line on second printer (optional)
Ticket Validator:	AGP-5600 Validator available for automatic validation AGP-0505 Slip Printer available for manual validation
Fee Display:	Supports AGP-5900 Fee Display

Input/Output Interface

Inputs

Input Channels:	Seven Input Channels available
Input Signals:	Arming Exit Lane Arming Entry Lane Space Count Information: (not yet implemented) IN Count 1 IN Count 2 Full Signal Drawer 1 Status Drawer 2 Status
Electrical:	Opto-isolated inputs Inputs will accept a normally open dry contact closure Minimum Input pulse accepted in 75 ms.

Outputs

Output Channels:	Eight Output Channels available
Output Signals:	Open Exit Gate Space Count Information: (not yet implemented) IN Count OUT Count Lot Full Signal Panic Alarm Open Cash Drawer 1 Open Cash Drawer 2 Keep Gate Open Entry Output Exit Warning
Electrical:	Each Output provides a dry contact closure @ 1 Amp max. 48 VDC Output duration is 100 ms min. to 200 ms max.

Chapter 3: INSTALLATION

Prepare the Installation Site

Prior to installation of the Fee Computer system, you must make initial preparations at the installation site. The customer is responsible for providing electrical service to the Fee Computer that meets national, state, and local codes and Amano's operating specifications. The customer must provide an AC power outlet in an easily accessible location near the equipment and must provide an isolated true earth ground. The AC power supply should not be interrupted by a light switch or other power interrupts, with the exception of a circuit breaker. A constant voltage supply requires the installation of the surge protector (033580) supplied with the Fee Computer. The surge protector must be installed between the power source and the Fee Computer Equipment (Fee Computer, Validator, etc.) Operating without the surge suppressor will void the warranty of this product. The customer is responsible for making any changes necessary to supply a constant, noise free power line for the AGP-5200.

Unpack and Inspect the Equipment

When you receive the AGP-5200 Fee Computer, confirm that all parts are included. Each AGP-5200 is shipped in three separate cartons.

The large carton contains:

- Fee Computer
- surge protector
- 25 pin I/O cable
- 9 pin I/O cable
- wiring instructions for the I/O cables
- Supervisor's Operations Guide
- keyboard seal

The medium carton contains:

- cash drawer and communications cable

The small carton contains:

- printer
- extra roll of paper
- printer User's Manual

If the installation includes an AGP-5600 Validator, an AGP-0500 Lock Box, AGP-5900 Fee Indicators, Journal Printer (AGP-0508) or a second AGP-0501 cash drawer, these items will be shipped in separate containers with individual manuals.

Notify Amano Cincinnati if any items are missing and also for damage. If anything is damaged, notify the transportation company and file a claim. The transportation company is responsible for the shipment after it leaves the factory.

The AGP-5200 must be installed according to the instructions described in this manual. Failure to install the unit properly will result in voiding the warranty for repair or replacement of the unit.

Component Placement

The AGP-5200 Fee Computer is modular in design so that it can be placed on a shelf, counter top, or on top of the cash drawer. The cash drawer could also be mounted underneath the countertop. The printer is then placed on top of the Fee Computer, to the left of the display. If an AGP-5600 Validator is used, it is normally placed to the right of the Fee Computer. If an AGP-0500 Lock box is used with the Validator, it is placed underneath the Validator. The AGP-5900 Fee Indicator can be mounted inside or outside the booth. The AGP-0508 Journal Printer can be placed anywhere at the convenience of the facility, restricted only by the maximum cable length. Refer to the Installation and Operations Manual included with each product for mounting instructions on these items.

Preparing the Standard Printer

Before using the standard thermal receipt printer, remove the paper rolls and packing material from inside, then remove the protective paper from the thermal head using the following procedure:

1. Lift the cover of the printer to open it.
2. Remove the packing material from around the paper roll.
3. Set the paper rolls aside.
4. Refer to Figure 3-1 below to pull the paper guide toward you.
5. Pull the protective paper out of the printer.
6. Refer to the Printer's Manual for printing paper specifications and instructions on how to install the paper roll.

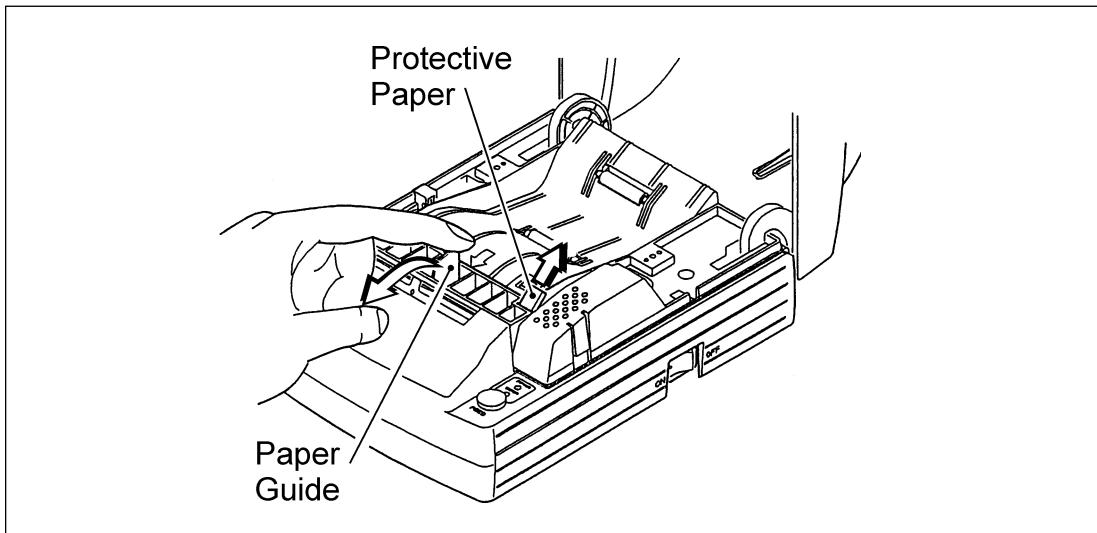


Figure 3-1, Preparing the Printer

The Optional Journal Printer

The Journal Printer is optional equipment to enhance the overall Fee Computer system and improve accountability. It receives information from the Fee Computer and prints all receipts, reports and events as they occur by creating a continuous record on a journal tape. The printer case can be locked so that the journal tape can only be removed by an authorized person. This serves as a tamper proof way to provide a running audit of every transaction of the Fee Computer. In addition, the Journal Printer can be used as a Slip Printer to print validation on a parking ticket. The Journal Printer has an individual manual which is included in the original packing box.

Unpacking the Printer

There are two foam restraints which are inside the printer to avoid possible damage during shipping. See page 2 of the Journal Printer manual for instructions on how to remove these before you begin connecting the Journal Printer to the Fee Computer.

- 👉 ***Caution!:*** Damage to the Journal Printer could occur if you operate it before removing the foam packing.

Connecting the Journal Printer to the Fee Computer

Page 19 of the Journal Printer manual shows how the power supply and communication cable (which are provided) are connected to the Journal Printer. The Journal Printer is connected via the External Printer COM 1 connection on the connector panel of the Fee Computer. Therefore, no other devices can be connected to COM 1. An 8 foot (2.5 meter) RS-232C cable is included to connect the equipment. According to RS-232C Specifications, the maximum distance the Journal Printer can be located from the Fee Computer is 50 feet (15.25 meters).

Installing the Ribbon Cassette

Page 24 of the Journal Printer manual shows you how to insert a ribbon cassette (part number A152-0011, in packs of 19 ribbons) into the printer. When inserted properly, it snaps gently into place.

- 👉 ***Important!:*** Do not remove the clear plastic shield on the ribbon cassette. It protects against smudging on the journal tape which will make the printout very difficult to read. In addition, the ribbon cassette will be ruined if the shield is removed.

Loading Journal Paper

Pages 22-23 of the Journal Printer manual shows you how to load new rolls of paper into the printer. You can also see the steps for loading paper when you open the rear cover of the Journal Printer and look on the inside of the cover.

Field Wiring Connections

All field wiring connections are located on the rear of the Fee Computer. Run all communications cables through the cable access hole in the rear of the Fee Computer. **All connections must be NEC Class 2 wiring only.**

1. Refer to Figure 3-2 below to locate the cable access hole and the two screws securing the connector cover plate to the back of the unit.

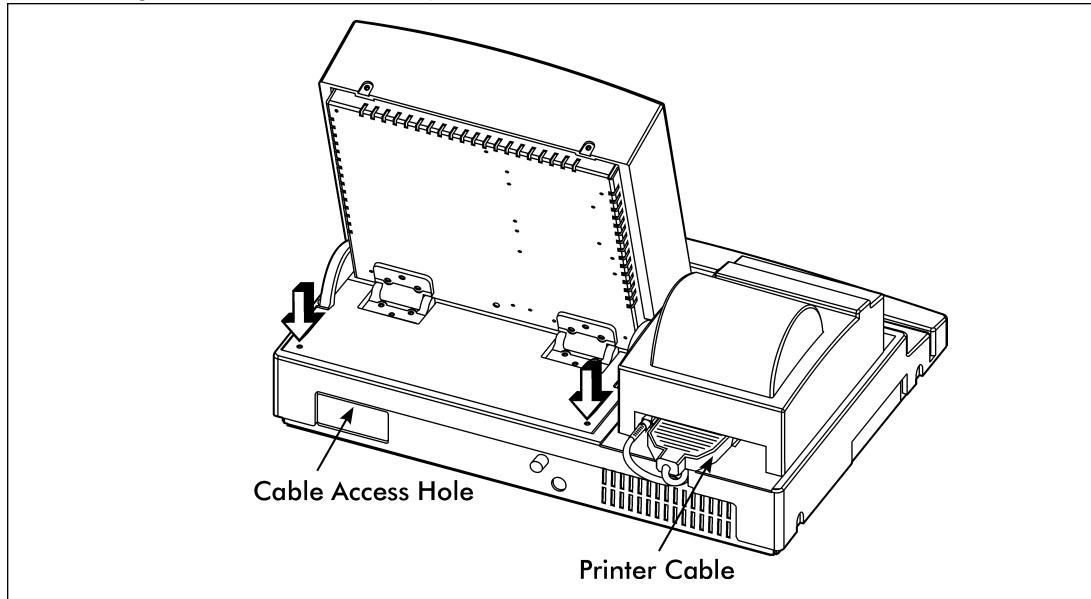


Figure 3-2, Connector Cover Plate

2. Remove the two screws and set them aside.
3. Lift the connector cover plate and move it to the right as far as it will go.
4. Pull the left side of the cover plate free of the housing and remove the cover plate from the housing.
5. Position the cover plate so that the wiring label is visible.
6. Refer to the wiring label or Figure 3-3 below for field wiring connections.

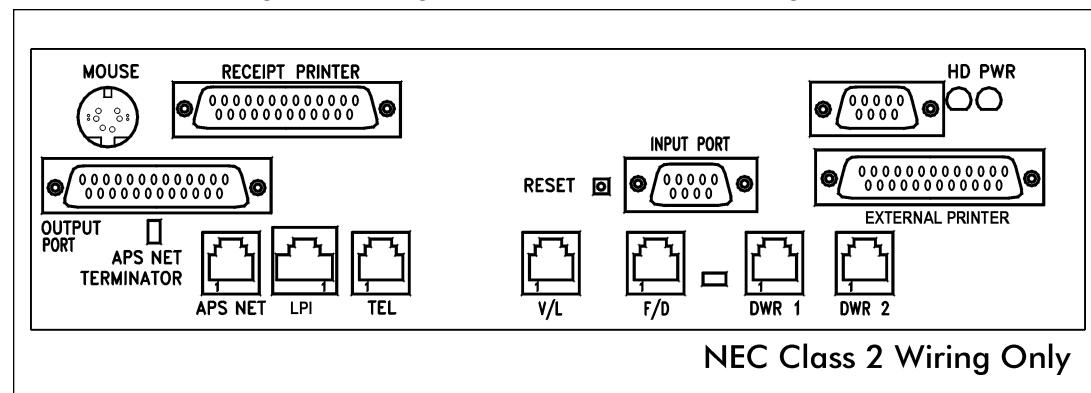


Figure 3-3, Field Wiring Connections

Note: The Standard Receipt Printer cables are pre-installed in the Fee Computer. All other communications cables must be installed at the installation site.

Peripheral Equipment

Receipt Printer

The communications and power supply cables for the Receipt Printer are pre-installed. Both cables exit the housing directly behind the printer base. Refer to Figure 3-4. You must use the power supply cable release latch to avoid damaging the power cable.

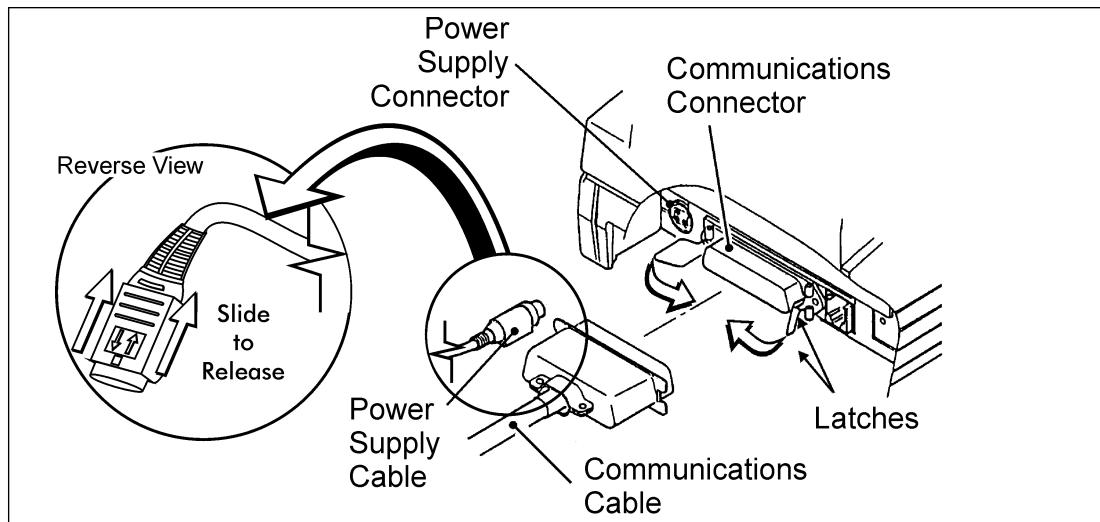


Figure 3-4, Receipt Printer Connections



Note: You may wish to remove the Receipt Printer communications cable connector from the back panel to make the installation of other communications cables easier. Remember to plug the Receipt Printer cable in before using the Fee Computer.

Cash Drawer

1. Connect the cash drawer ground wire inside the Fee Computer to the Ground Stud on the back of the cash drawer. If more than one cash drawer is used, connect the grounds together in series.
2. Connect the primary cash drawer communications cable to the RJ11 connector marked DWR1.
3. Connect the secondary cash drawer communications cable (if present) to the RJ11 connector marked DWR2.

Fee Indicator

Plug the communications cable from the AGP-5900 Fee Indicator (if present) into the RJ11 connector marked F/D.

Validator

Plug the communications cable from the AGP-5600 Validator (if present) into the RJ11 connector marked V/L.

Telephone

If the AGP-5200 is used for credit card transactions, connect a communications cable from the RJ11 connector marked TEL to the surge protector (033508). Connect a dedicated phone line to the surge protector. **Warning:** Failure to connect the phone line to the surge protector will void the warranty of this product.

Field Wiring Connections

Journal Printer

If the optional AGP-0508 Journal Printer is used to print reports, or if the optional AGP-0505 Slip Printer is used, plug the printer cable into the connector marked JOURNAL PRINTER.

Mouse

The Windows 95® program running on the Fee Computer will utilize a mouse. The connector marked MOUSE is for authorized service technicians only.

Inputs

The Fee Computer is supplied with a 9-pin d-sub I/O cable. Plug this cable into the connector labeled INPUT PORT. The Fee Computer is shipped with a wiring diagram for the Input Cable. Refer to this diagram for cable information. The Input connections from the cable are configurable in the Fee Computer. (Menu → F5 Management → F4 Configuration → F2 Equipment → F2 Inputs.) Refer to **Chapter 4: Configuration** of this manual for more detailed information on how to assign each Input Channel. Refer to **Chapter 2: Specifications** for a list of available Inputs.

Outputs

The Fee Computer is supplied with a 25-pin d-sub I/O cable. Plug this cable into the connector labeled OUTPUT PORT. The Fee Computer is shipped with a wiring diagram for the Output cable. Refer to this diagram for cable information. The Output connections from the cable are configurable in the Fee Computer. (Menu → F5 Management → F4 Configuration → F2 Equipment → F3 Outputs) Refer to **Chapter 4: Configuration** of this manual for more detailed information on how to assign each Output Channel. Refer to **Chapter 2: Specifications** for a list of available Outputs.

RS485 Connections

The Fee Computer can be placed on an Amano Parking System RS485 Network as part of an on-line system. Use the RJ11 connector on the back of the Fee Computer labeled APS NET for network connections. **Note:** Do not use this connection to place the Fee Computer on a LAN.

Next to the APS NET connector is the APS NET TERMINATOR. If this AGP-5200 Fee Computer is the last unit on the network, it must be terminated. To terminate the Fee Computer, make sure the APS NET TERMINATOR is in place.

All other Fee Computers on the network must be unterminated. To unterminate the Fee Computer, simply remove the APS NET TERMINATOR.

License Plate Inventory Connections

The Fee Computer can be placed on an Ethernet as part of an on-line License Plate Inventory (LPI) System. Use the connector marked LPI for LPI System connections.

Peripheral Equipment Wiring Diagram

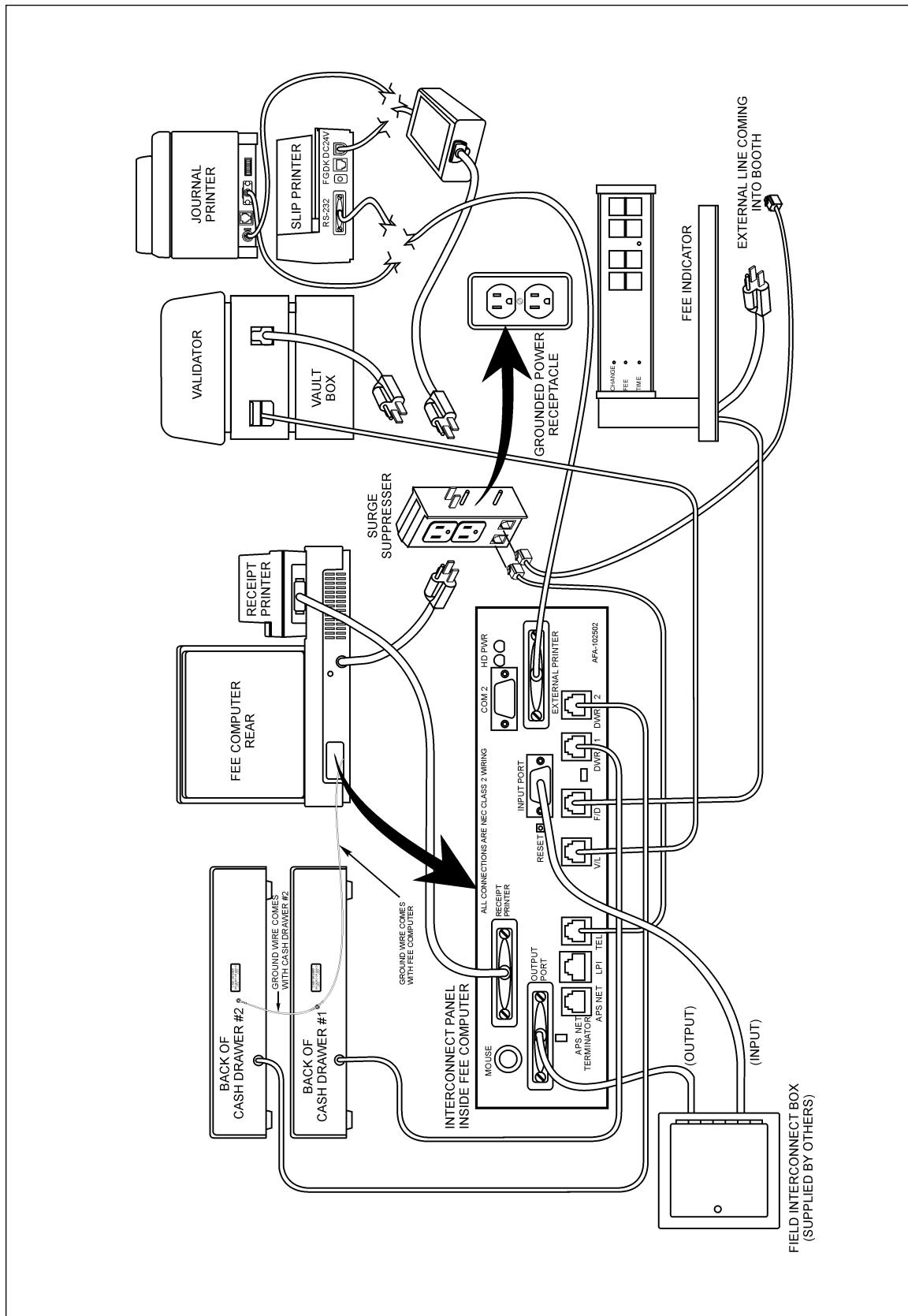


Figure 3 - 5, Peripheral Equipment Wiring Diagram

AGP-5200 Connections to an AGP-1700 Gate

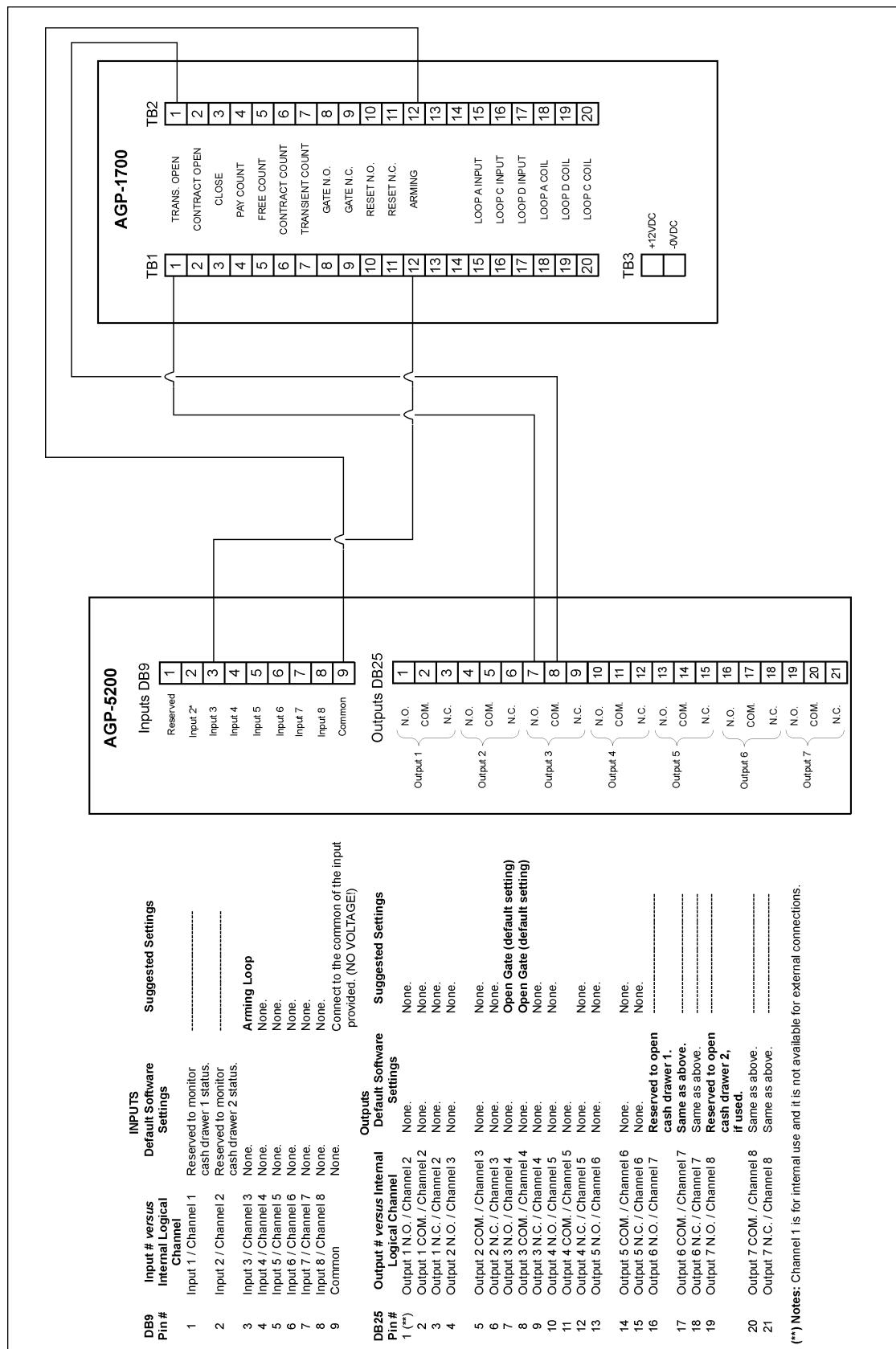


Figure 3 - 6, AGP-5200 Connections to an AGP-1700 Gate

AGP-5200 Fee Computer Block Diagram

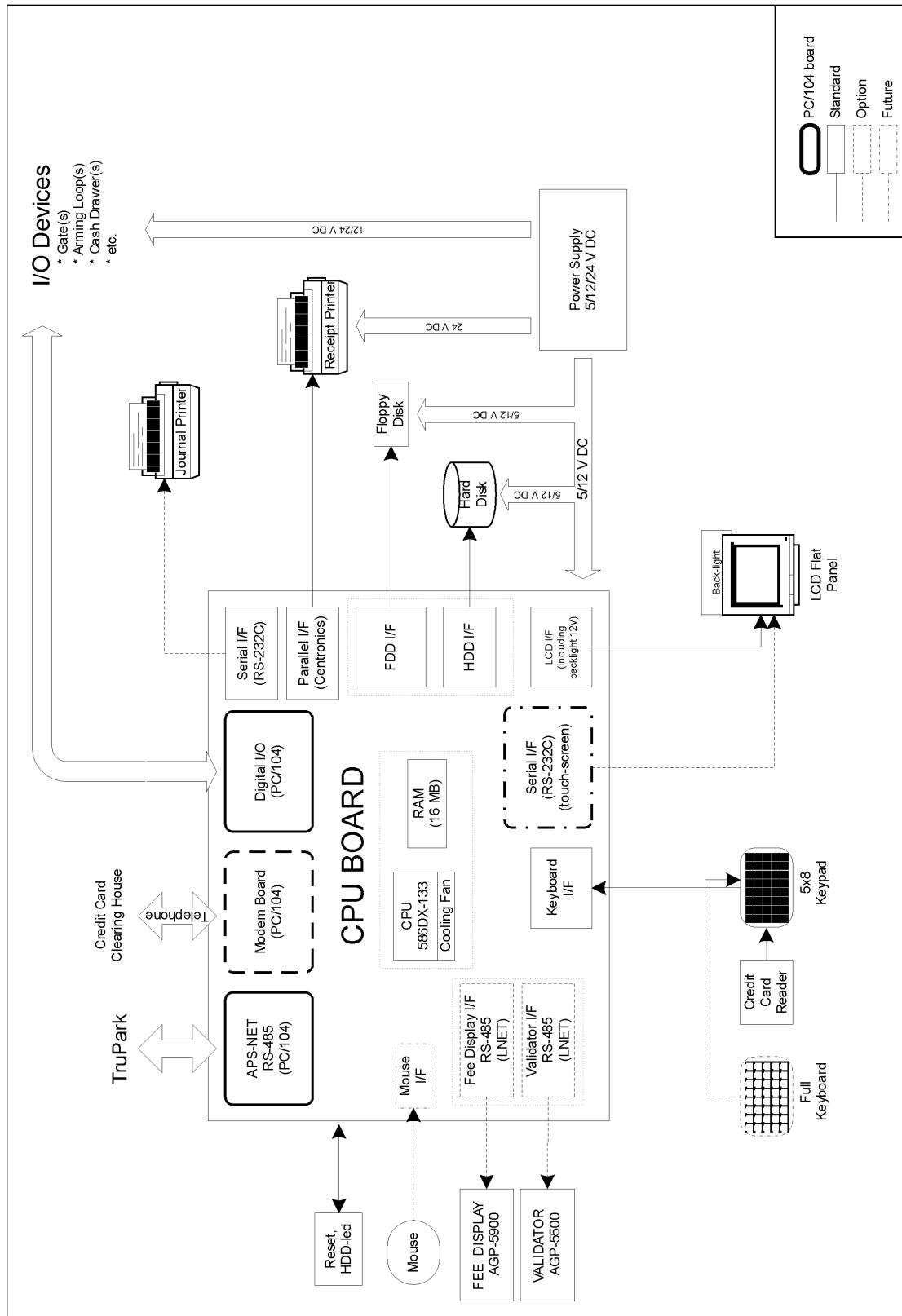


Figure 3 - 7, AGP-5210 Block Diagram

Equipment Configuration for Pay on Entry

When you set up the Pay On Entry equipment configuration, the AGP-5900 Fee Indicator that is located in the Entry Lane must be placed on the same communication line as the Exit Lane Fee Indicator. The AGP-5600 Validator must also be placed on this communication line and needs to have the dip-switches modified to the following positions:

	Original Position	New Position
Switch 1	Off	On
Switch 2	On	Off
Switch 3	On	On
Switch 4	On	On

See Figure 3 - 8 for Pay On Entry lane layout configuration.

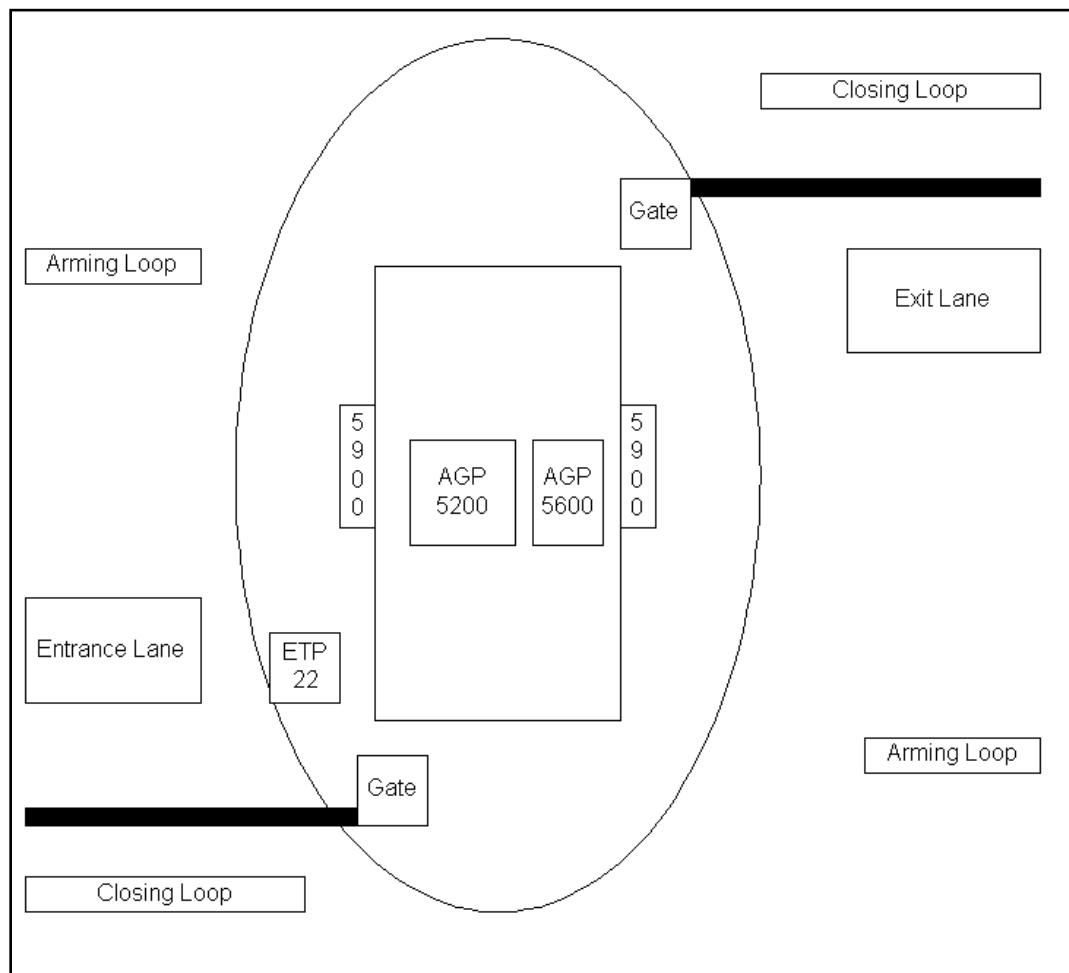


Figure 3 - 8, Pay On Entry Lane Layout Diagram

Complete Installation

After installation is complete:

1. Replace the Receipt Printer communications cable if you removed it earlier.
2. Replace the connector cover plate using the two screws removed earlier.
3. Connect power to all field wiring and peripheral equipment.
4. Plug the Fee Computer into the Surge Protector.
5. Plug the Validator into the Surge Protector.
6. Plug the Surge Protector into the power outlet.
7. Install keyboard seal if desired to protect from possible damage due to spills on the keys (see Figure 3-9).
8. When installation is complete, remove the protective covering from the monitor.
9. You are now ready to configure the Fee Computer. Refer to the next chapter for detailed instructions on the Fee Computer Configuration procedure.

To install the AGP-5200 Keyboard Seal (AFA-110700):

- A. Remove the four paper strips along the back edges of the seal to expose the adhesive.
- B. Line up the Enter key on the keyboard with the large key area on seal.
- C. Press each of the adhesive strips down along the edges of the keyboard, starting from the center and moving out. Be careful not to stretch the seal or form any gaps or creases.

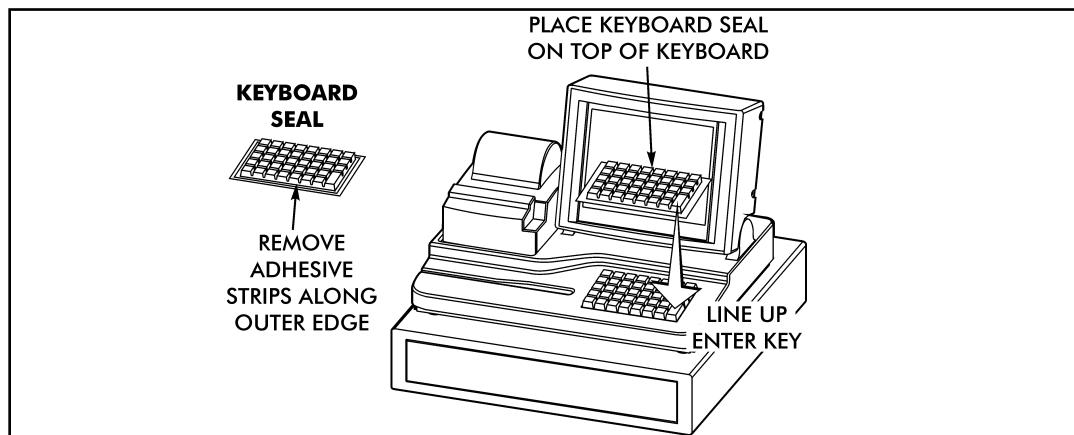


Figure 3-9, Placing Keyboard Seal on Fee Computer

Chapter 4: CONFIGURATION

The AGP-5200 Fee Computer must be configured before you can begin operation. The Configuration utility contains areas to define the facility it is being used in; how transactions are numbered; communications with the host computer and other equipment; peripheral equipment used with the Fee Computer; Input and Output signals; Credit Card Processing, Ticket and Receipt layouts; Ticket Tracking; Reports; Cashier access privileges; Currencies used; and many other operating parameters.

The Configuration utility is accessed through the Menu key. Select F5 Mgmt from the Main menu. Select F4 Config from the Management menu to open the Configuration utility.



The Configuration utility is divided into eight major areas: General, Equipment, Receipt, File, Tax, Currency, Report and Statistical Reports.

Note: You may press F10 Exit to exit the Configuration menu at any time if that function key is activated, or press Menu to return to the Configuration main menu.

F1 General

General contains areas to define the Facility, how transaction numbers are handled, and communications. When you press F1 General from the Configuration menu, the **Config - General** menu screen appears:



F1 Facility Name

Press F1 Name to view the **Facility Name** screen. At this time, this information is not implemented for use on reports and receipts.



To enter facility information:

1. The Name field is highlighted. Type in the Facility Name. Hold down the **ALPHA** (or **ALT** keys for small letters) and use the letters marked on the keyboard to type the name. Press **ENTER**.
2. Type the facility Address and press **ENTER**.
3. Type the City and press **ENTER**.
4. Type the State and press **ENTER**.
5. Type the Zip code and press **ENTER**.
6. Continue the configuration of the Fee Computer.

F2 Lot Numbers

When you press F2 Lots the Lot Number screen appears:



The Accepted Lot Numbers are all parking lots that are registered on a particular Fee Computer, such as separate lots for daily or long term parking.

The maximum allowable lot number is 99, the minimum is 1. If you do not wish to use a field to accept a lot, enter 0.

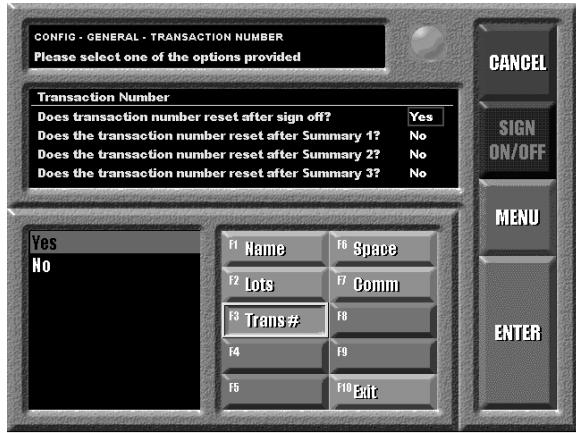
Note: In a Central Pay configuration, the number assigned to Lot 1 will be used for a lost or damaged ticket transaction.

To activate lot numbers:

1. Lot 1 is the primary lot that is accepted by this Fee Computer. Enter the Lot number that will be the primary lot.
Press ENTER.
2. Continue to assign lot numbers to the second, third, and forth lot accepted by this Fee Computer. You may accept the defaults until the system is expanded or it is necessary to make changes.
3. Continue the configuration of the Fee Computer.

F3 Transaction Number

Press F3 Trans # to view the **Transaction Number** set up screen:



Each transaction completed by the system is automatically assigned a number. After every Summary Report the transaction counter can be reset to one.

How transaction numbers are reset are in the form of Yes or No questions. The default answer for all questions is No. For each question asked, the current answer will be highlighted in the Data Entry Window. To select a different answer, use the up and down arrow keys on the keyboard to highlight the word YES or NO in the Summary Window. When the desired answer is highlighted, press the ENTER key. The selected answer will appear next to the question. The answer to the next question in the current window will then be highlighted.

Note: Only one parameter can be set to Yes.

Does transaction number reset after sign off?

If this value is set to Yes, the transaction number will be reset to one every time a cashier signs-off.

Does the transaction number reset after Summary 1?

If this value is set to Yes, the transaction number is reset to one after a Summary 1 Report is generated.

Does the transaction number reset after Summary 2?

If this value is set to Yes, the transaction number for the Cashier Shift Report and Summary 1 Report will be reset to one when a Summary 2 Report is generated.

Does the transaction number reset after Summary 3?

If this value is set to Yes, the transaction number for the Cashier Shift Report and Summary 2 Report will be reset to one when a Summary 3 Report is generated.

F6 Space Counts

Press F6 Space to view the **Space Counts** screen.

Note: The space counter function is not currently activated in the Fee Computer. Do not change the default values.

F7 Communications

Press F7 Comm to view the **Communications** configuration screen.



The Communications configuration defines the transmission of data at a rate that complies with your system's requirements and capabilities. The Fee Computer will send data to the host computer for facility monitoring. Only authorized service personnel should change these settings. If changes must be made, make a note of any current setting before you change it.

1. Type in the **Bits per second**, or baud rate, that this Fee Computer will be using. Use the up/down arrow keys to select one of the rates listed in the Summary Window. Press ENTER.
2. Type in the **Data bits** or the amount of bits used for data. Use the up/down arrow keys to select one of the choices of data bits listed in the Summary Window. Press ENTER.
3. Type in the **Parity** at which the data is transmitted. Use the up/down arrow keys to select one of the choices of parity listed in the Summary Window. Press ENTER.
4. Type in the **Stop Bits** or the number of bits saved to indicate the end of data. Use the up/down arrow keys to select one of the choices of stop bits listed in the Summary Window. Press ENTER.
5. Press MENU to return to the Configuration **Main** menu.

F2 Equipment

When you press F2 Equip't from the Configuration menu, the **Equipment** set up screen appears.



The **Equipment** set up screen defines peripheral equipment used with the Fee Computer as well as input and output signals, Credit Card processing, miscellaneous operation parameters, restrictions and system date & time.

F1 Equipment Connections

Press F1 Connect to view the **Equipment Connection** screen.



The Fee Computer Equipment that requires configuration includes the validator, the fee display (exit), the host computer, space counter, journal printer, the slip printer and the entry fee display. Refer to Field Wiring Connections in Chapter 3 for more information.

1. The Validator, which is used for transaction processing, reads tickets issued from the ticket dispenser at the facility entrance, encodes and prints transaction information on the ticket, and reads credit cards. Use the arrow keys to select Connected or Not Connected in the Summary Window. Press ENTER.

F4 Config→ F2 Equip't→ F1 Connect

2. The Fee Display is a remote fee indicator that displays the fee, change due, and time to the parking patron on exit from the facility. Use the arrow keys to select Connected or Not Connected in the Summary Window. Press ENTER.
3. The Host computer monitors and controls the facility operations. Use the arrow keys to select Connected or Not Connected in the Summary Window. Press ENTER.
4. The Fee Computer's internal Space Counter is not yet implemented. Use the arrow keys to select Not Connected in the Summary Window. Press ENTER.
5. The Journal Printer is an auditing record. Use the arrow keys to select Connected or Not Connected in the Summary Window. Press ENTER.
6. The optional AGP-0505 Slip Printer is used to validate tickets when the AGP-5600 Validator is not used. Use the arrow keys to select Connected or Not Connected in the Summary Window. Press ENTER.
7. The Entry Fee Display can be used in a Pay on Entry configuration. Press ENTER.
8. Continue the configuration.

F2 Input Channels

Press F2 Input to view the **Input Channel** screen.



Input channels are used when the Fee Computer receives input from an external device, such as cash drawers or arming loops. The Data Entry window shows all of the input channels that are available and the Summary window lists the logical signals that can be assigned to those channels.

To Assign Input Channel Connections:

1. Input 1 has only None or Drawer #1 Status available as options. This is the input channel to be used with the primary cash drawer. Use the up/down arrows to select either None or Drawer #1 Status in the Summary Window. Press Enter.
Note: Drawer #1 Status must be connected when using the cash drawer to open a gate.
2. Input 2 has only None or Drawer #2 Status available as options. This is the input channel to be used with the secondary cash drawer which can be used by a relief cashier. Use the up/down arrows to select either None or Drawer #2 Status in the Summary Window. Press Enter.

F4 Config→ F2 Equip't→ F2 Input

3. Input 3 through Input 8 can be configured with the items listed below. You cannot assign an item to more than one input channel. Use the up/down arrows to select the item for an input channel.

- **Entry Arming:** Used for an arming loop in an entry lane to arm the Fee Computer.
- **Exit Arming:** Used for an arming loop in an exit lane to arm the Fee Computer.
- **In Count #1:** Not implemented at this time.
- **In Count #2:** Not implemented at this time.
- **Full Signal:** Not implemented at this time.
- **None:** Used when no input is required for a channel. This is the only selection which may be used in multiple channels.

F3 Output Channels

Press F3 Output to view the **Output Channels** screen.



Output Channels are used when the Fee Computer sends a data signal to external devices to cause an event, such as opening gates or cash drawers. Channels 2 through 6 are available for output, Channel 1 is reserved for internal use only. Channel 7 can only be assigned to Open Drawer 1; Channel 8 can only be assigned to Open Drawer 2. If you are not using cash drawers, Channels 7 and 8 must be configured to None. The Data Entry window shows all of the Output Channels that are available and the Summary window lists the logical signals that can be assigned to those channels.

To assign Output Channel connections press the **Enter** key to move to a channel and then use the up/down arrows to select the output you want to associate with that channel.

- **Out Count:** Not yet implemented
- **In Count:** Not yet implemented
- **Panic Alarm:** The Fee Computer has a panic alarm which will be enabled at the press of a button to do all of the following: open the gate, open the cash drawer, send an alarm to a designated person/place.

F4 Config→ F2 Equip't→ F3 Output

- **Full Signal:** Not yet implemented
- **Keep Gate Open:** Used to send a pulse signal to keep gate open for multiple cars to exit.
- **Open Exit Gate:** Used for sending a signal to open the exit gate for one vehicle.
- **Entry Output:** Used with pay on entry configuration such as to open an entry gate or to have the ticket dispenser issue a ticket.
- **Exit Warning:** Used with a cashierless exit configuration when a fee is due upon exit and the permissions only allow \$0 fees to exit automatically.
- **None:** Used when no output is required for a channel. This is the only selection which may be used in multiple channels.

F4 Credit Card Processing

Press F4 Credit to view the **Credit Card Processing** set up screen.



1. Processor: The credit card processing service or authorization is done through ICVerify®. The Processor sets up an interface link with ICVerify® if selected. Use the up/down arrow keys to select None or ICVerify in the Summary Window. Press ENTER.
2. Floor Limit: The Fee Computer can process a credit card purchase up to the amount designated without authorization. The default is \$0.00. Any credit card purchase over the Floor Limit will be authorized at the time of the transaction. Any credit card purchase below the Floor Limit will be placed in a batch for processing at a later time. Type in the dollar amount of the Floor Limit. Press ENTER.
3. Maximum Batch Balance: Type in a total dollar amount at which the Fee Computer processes the batched credit card purchases. Press ENTER.
4. Process Time: This field defines the elapsed time at which the Fee Computer will process a batch of credit card purchases if the Maximum Batch Balance has not been reached yet. Type in an elapsed time. Press ENTER.
5. Settle Time: This field defines the time of day that the Fee Computer designates as the end of the day. At this time of day, the Fee Computer will check with the credit card processing service and verify all of the credit card transactions processed since the last Settle Time. This is to ensure all transaction are accounted for. The time designated here should be a non-peak time of day. Type in the Settle Time in 24 hour format. Press ENTER.

F6 Miscellaneous

Press F6 Misc to view the **Miscellaneous** menu.



The Miscellaneous area includes several functions that are singular in purpose, i.e., tickets, starting cash, and receipts used by the Fee Computer.

F1 Parameters

Press F1 Param to view the **Miscellaneous Parameters** set up screen.



Fee Computer equipment number:

Type in this Fee Computer's equipment number. Use a unique number for each Fee Computer from 1 to 99. Press ENTER.

Does the relief cashier use his own drawer?

The secondary cash drawer can be assigned to the relief cashier. Use the up/down arrow keys to select Yes or No in the Summary Window. Press ENTER.

Central pay or exit pay?

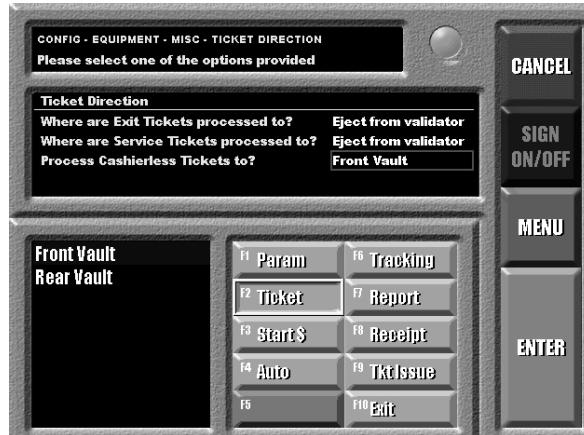
Use the up/down arrow keys to select Central Pay or Exit Pay. Press ENTER.

When does the gate open?

Select when the gate should open, either when the transaction is done or after the drawer on the Fee Computer is closed. Use the up/down arrow keys to select one of the choices in the Summary Window. Press ENTER.

F2 Ticket Direction

When you press F2 Ticket, the Misc - Ticket Direction screen appears:



Tickets inserted into the Validator can be processed in one of three ways when the transaction is completed. Eject from validator will eject the ticket through the same slot it was submitted to be returned to the customer. Rear Vault stores the ticket in the rear compartment of the Validator Lock Box. Front Vault will store the ticket into the front compartment of the Validator Lock Box.

Where are Exit Tickets processed to?

Use the up/down arrow keys to make a selection in the Summary Window. Press ENTER.

Where are Service Tickets processed to?

Service Tickets cannot be processed to the rear vault. Use the up/down arrow keys to select Eject or Front Vault in the Summary Window. Press ENTER.

Process Cashierless Tickets to?

Use the up/down arrow keys to make a selection in the Summary Window depending upon where you want exit tickets to be stored after they are read by the validator during a cashierless exit. Press ENTER.

F3 Starting Cash

When you press F3 Start\$, the **Misc - Starting Cash** screen appears:



How much cash does a cashier begin his shift with?

This screen designates the amount of Starting Cash in the drawer or the amount each cashier is given to start. The amount entered is reported in the Cashier's Shift Total. Type in the amount. The maximum amount is \$9999.99 and the minimum is \$0.00. Press ENTER.

F4 Automatic transactions

Press F4 Auto to view the configuration options for automatically completing transactions.



Should \$0 transaction be completed automatically?

If Yes is selected, the operator does not need to press Enter to complete a normal transaction. The transaction will automatically finish processing when the amount due is \$0. If you want the cashier to press Enter to confirm the end of a transaction, set this option to No. The cash drawer does not open on a \$0 transaction.

Should full discount transactions be automatic?

If Yes is selected, the operator does not need to press Enter to complete a transaction that will automatically finish processing when a Store Discount using an HR-200 ticket reduces the amount due to \$0. If you want the cashier to press Enter to confirm the end of a transaction, set the option to No. The cash drawer will open on a full discount transaction.

Allow what type of ticket to exit for cashierless transactions?

If cars will be exiting the facility during periods where an operator will not be in attendance, the Fee Computer can be configured as to which tickets can be automatically processed to allow the vehicle to exit. Select All if any ticket will be allowed to exit, regardless of whether a fee is still due. Select \$0 if only tickets which show no fee due will be allowed to exit on a cashierless transaction.

F6 Ticket Tracking

When you press F6 Tracking, the **Misc - Ticket Tracking** screen appears:



Is ticket tracking used?

Determines whether Ticket Tracking will be used. Use the up/down arrow keys to select Yes or No in the Summary Window. Press ENTER.

What type of tickets are used for a lost transaction?

This question will only appear when a validator is connected to the Fee Computer. A "Normal" ticket is a blank magnetic stripe ticket. A "Special" Lost ticket can be issued from the Ticket Dispenser.

F7 Automatic Reports

When you press F7 Report, the **Misc - Auto Report** screen appears:



Cashier Shift Reports can be automatically generated when a main or relief cashier signs off. These reports can also be run on demand by pressing F2 Total through the **Menu** key in the transaction screen. These reports can be assigned a name through **F8 Reports** in the **Configuration** menu.

The Shift Subtotal report includes: cashier log; cash totals; dollars totals; revenue summary; gross sales; discounts; taxes; and counts. The Shift Subtotal report does not clear this information from memory. Further transactions are added to the Total counter.

The Shift Total report includes: cashier log; cash totals; dollars totals; revenue summary; gross sales; discounts; taxes; and counts. When the Shift Totals report is run the Subtotals are reset to 0. The Shift Total reports are assigned a serial number which is incremented by one each time the report is run.

What report is printed after cashier signs off?

The choices are: None, Subtotal and Total. Use the up/down arrow keys to select one of the choices in the Summary Window. Press **ENTER**.

What report is printed after a cashier ends a relief?

The choices are: None, Subtotal and Total. Use the up/down arrow keys to select one of the choices in the Summary Window. Press **ENTER**.

F8 Automatic Receipts

When you press F8 Receipt, the **Misc - Receipt** screen appears:



Receipts and authorization slips can be automatically printed after transactions have been completed. When NO is indicated, the Receipt key must be used for manual printing.

Print receipts automatically?

Select Yes if most customers request a receipt. Select No if requests for receipts are not frequent and individual receipts are issued. Use the up/down arrow keys to select one of the choices in the Summary Window. Press ENTER.

Note: If the parking fee is zero before validations are applied, a receipt will not be automatically printed.

Print short money slip?

A short money slip is necessary as a receipt for partial payment and/or a statement of promise to pay. If Yes is selected, the cashier must press Enter a second time to open the gate. Use the up/down arrow keys to select one of the choices in the Summary Window. Press ENTER.

Print charge authorization slip?

A charge authorization slip can be printed after a credit card transaction is completed. A credit card processor must be configured under F4 Credit for this to take effect. Use the up/down arrow keys to select one of the choices in the Summary Window. Press ENTER.

F9 Tkt Issue

Press **F9** to select where a ticket will be issued in a Pay On Entry configuration.



Validator

If Validator is selected, the operator will insert a blank ticket into a Validator when a vehicle enters the facility. Upon completing the transaction, the ticket will be ejected from the Validator and the gate and cash drawer will be opened.

Ticket Dispenser

If Ticket Dispenser is selected, after the Pay On Entry transaction is processed, a ticket will be issued from an ETP ticket dispenser. Special ETP Firmware (CSR-0447) is required.

Note: If cashierless feature is used, you **must** use the ETP-22 Ticket Dispenser.

None

If None is selected, a ticket will not be issued in a Pay On Entry configuration.

To continue configuration, press the **MENU** key to return to the **Config** menu, then press **F2 Equipment** to continue with the **Equipment** menu.

F7 Equipment Restrictions

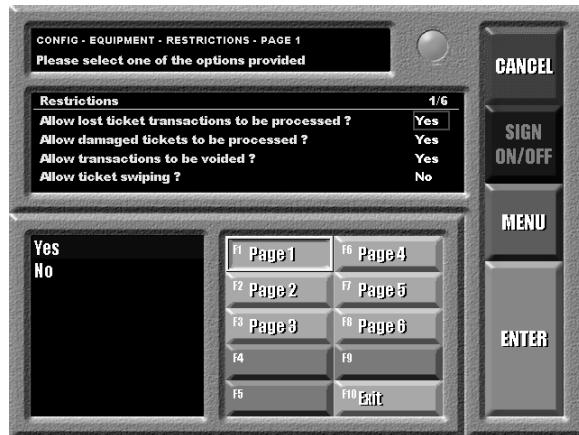
When you press F7 Restrict, the **Equipment - Restrictions** screen appears:



There are six “pages” of restrictions. The Restrictions set up here apply to the operation of this individual Fee Computer system, and overrides any restrictions set up in the Cashier Database. After completing the next six pages, users can download these files via floppy diskette through the Configuration, F4 File. The restrictions for general operation and procedures are in the form of Yes or No questions. The default answer for all questions is No. A “Yes” answer will enable certain operations on the Fee Computer. Use the up and down arrow keys on the keyboard to highlight the word YES or NO in the Summary Window. When the desired answer is highlighted, press the ENTER key. The selected answer will appear next to the question. Then the answer to the next question in the current window will be highlighted.

When all of the following questions in the current window are answered, continue to the next page of restrictions.

F1 Page 1



Allow lost ticket transactions to be processed?

The Fee Computer can process lost tickets by inserting a designated Lost ticket into the validator or by manually typing in the entry time, entry date, and ticket number at the time of the transaction. Lost tickets can be processed by pressing the F2 Lost function key on the transaction screen.

Allow damaged tickets to be processed?

The Fee Computer can process damaged tickets by manually typing in the entry time, entry date, and ticket number at the time of the transaction. Damaged tickets can be processed by pressing the F3 Damaged function key on the transaction screen.

Allow transactions to be voided?

A transaction can be voided by selecting F1 Void from the **Adjust** screen accessed through the **Menu** key.

Allow ticket swiping?

Transactions can be processed by swiping the ticket through the built in Fee Computer swipe reader.



Allow switch to Event?

Another rate, other than the automatically selected rate, can be used to calculate fees. The rates are accessed through the F5 Specials key in the transaction screen.

Accept Service Cards?

A magnetically encoded service card is issued by the parking facility and used to discount parking fees. The service card is inserted into the validator after the parking ticket, then the discount is applied.

Accept store Coupons?

Store coupons can be set up through the Maintenance utility of the Fee Computer. Coupons are issued to participating stores or companies by the parking facility management. A coupon can be given to the parking patron by a store and used to discount the parking fee.

Allow Pay On Entry?

If your facility is configured for Pay On Entry, use the up/down arrows to select Yes or No in the Summary Window. When you return to the main transaction screen to process payments in the Fee Computer, you will see that the F5 Prepay button is now active.



F3 Page 3



Allow access to the Rate Setup utility?

The Rate Setup utility defines the rate structures used to calculate parking fees. Only the Fee Computer used by supervisory personnel should have access to the Rate Setup utility.

Allow access to the Maintenance utility?

The Maintenance utility contains several areas to set up on the Fee Computer, including the store, cashier, holiday, card, journal and clock databases. There should be restrictions on the Fee Computers not used by supervisory personnel.



Allow payment by check?

Payment by check for parking fees can be accepted at the Fee Computer. The cashier must type in the check number and amount at the time of the transaction.

Allow short money to be processed?

Short money requires a short slip showing partial payment and/or a promise of payment and can be issued at the Fee Computer. If allowed, the cashier at the Fee Computer can satisfy a transaction by assigning it a "short" status. A transaction is defined as short through the F5 Specials payment type function key in the transactions screen.

Allow payment by credit card?

A credit card can be accepted for payment, either by using the card in the Fee Computer swipe reader, or by manually keying in the information.

Allow payment by secondary currency?

The Fee Computer can calculate fees and accept payment in a secondary currency (Canadian dollars or Mexican Pesos, for example). The secondary currency is set up in the Fee Computer configuration.



Allow backout tickets to be overruled?

If a vehicle backs away from the gate after a ticket is dispensed from the ticket dispenser, the ticket is registered as a backout ticket. The Fee Computer can overrule this backout status at payment time.

Allow tax to be bypassed?

Tax can be bypassed by the Fee Computer and not added to the parking fees charged.

Allow Continue without Journal Printer?

If you select No in this restriction setting, when the Journal Printer runs out of paper or goes offline for any reason, the operator will not be able to process any transactions until the Journal Printer is back online and fully operational. If you select Yes, the Fee Computer will continue to process transactions, storing the transactions until the Journal Printer is available to receive input. However, once the Journal Printer comes back online, the operator will have to wait for it to catch up to the current transaction before they will be able to continue entering new transactions.

Note: If you are using the Journal Printer as a Slip Printer to validate tickets, you **must** configure this option as No. This is because you will not be able to print the validation on tickets if the Journal Printer is not fully operational.

F8 Page 6



Allow reports to be generated?

Cashier Shift Reports can be automatically generated at the end of the shift or at the end of a relief shift.

Allow gate to be opened?

The gate can be opened when a transaction is done or once the drawer is closed.

Allow cashiers to sign on using a badge card?

The Fee Computer badge card SIGN ON or OFF function is not yet implemented.

Press the MENU key to return to the **Configuration Main** menu, then press F2 Equip't to continue configuring the Equipment.

F8 Date and Time Format

When you press F8 Time, the **Equipment - Date and Time Format** screen appears.



1. Select a 12 or 24 hour Time Format. This will be used when entering the time of day for a transaction and will print on tickets, receipts, and reports. Press ENTER.
2. Select a Date Format from the Summary window. This will be used when entering the date for a transaction, and will print on tickets, receipts and reports. Press ENTER.

Press the Menu key to return to the **Configuration** menu screen.

F3 Receipt Configuration

When you press F3 Receipt from the Configuration menu, the **Config - Receipt** screen appears listing all of the functions available for design of the receipt. The Receipt with the name of a parking lot and a record of the transaction can be designed to user's specifications. All text entered into these screens will be centered on each line of the receipt. You will only see the F5 Ticket button activated if you have the Slip Printer enabled.



F1 Bitmap

An existing bitmap can be placed at the top of each receipt. When you press F1 Bitmap, the **Receipt - Bitmap** screen appears.



To designate the bitmap:

1. For the Bitmap's Search path, select the location where the file can be found on the Fee Computer. A diskette containing the bitmap file (*.bmp) can be inserted into the floppy drive located on the left side of the Fee Computer. Use the up/down arrow keys to select Floppy Disk or Hard Drive in the Summary Window. Press ENTER.
2. The available File Names will appear in the Summary Window. Use the up/down arrow keys to view each bitmap file.
Press ENTER to select a file.
3. Continue the configuration.

F2 Title Line 1

When you press F2 Title 1, the **Receipt -Title Line 1** screen appears.



To enter the Title Line 1 text:

1. Type the text that will be the first or Title Line of the Receipt. This line could be the Company's full name, for example. Hold down the **ALPHA** key (or **ALT** key for small letters) and use the letters marked on the keyboard to type in the text for Title Line1.
Press **ENTER**.
2. Select the Font name. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
3. Select the Font size. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
4. Indicate if the Title Line 1 should be bold. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
5. Indicate if the Title Line 1 should be in italics type. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
6. Continue the Configuration.

F3 Title Line 2

When you press F3 Title 2, the **Receipt -Title Line 2** screen appears.



To enter the Title Line 2 text:

1. Type the text that will be the second line, called Title Line 2 of the Receipt. This line could be the Company's street address, for example. Hold down the **ALPHA** key (or **ALT** key for small letters) and use the letters marked on the keyboard to type in the text for Title Line 2.
Press **ENTER**.
2. Select the Font name. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
3. Select the Font size. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
4. Indicate if the Title Line 2 should be bold. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
5. Indicate if the Title Line 2 should be in italics type. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
6. Continue the Configuration.

F4 Title Line 3

When you press F4 Title 3, the Receipt -Title Line 3 screen appears.

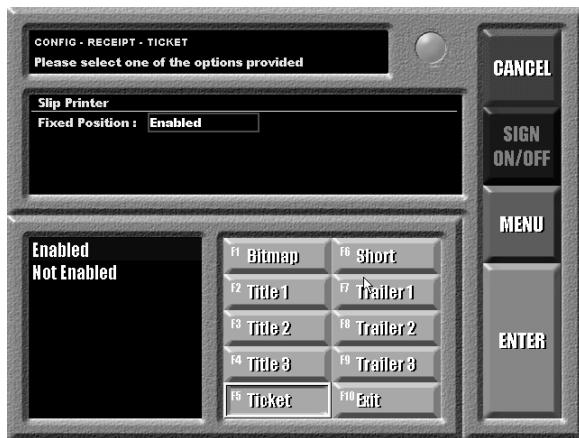


To enter the Title Line 3 text:

1. Type the text that will be the third line, called Title Line 3 of the Receipt. This line could be the Company's city and state address, for example. Hold down the ALPHA key (or ALT key for small letters) and use the letters marked on the keyboard to type in the text for Title Line 3.
Press ENTER.
2. Select the Font name. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press ENTER.
3. Select the Font size. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press ENTER.
4. Indicate if the Title Line 3 should be bold. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press ENTER.
5. Indicate if the Title Line 3 should be in italics type. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press ENTER.
6. Continue the Configuration.

F5 Ticket Position

The F5 Ticket key will only be available if the Slip Printer is enabled. When you press F5 Ticket, the **Ticket** screen appears.



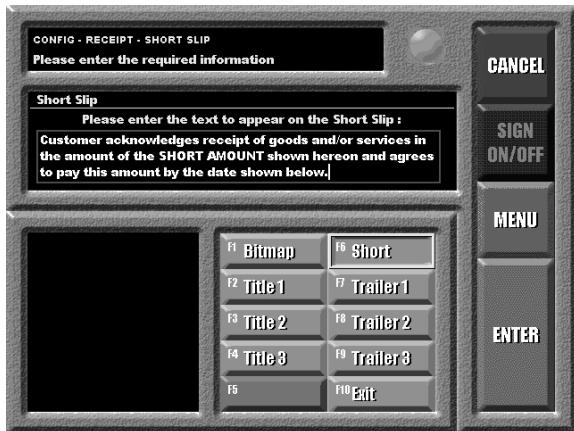
Fixed Position

Select Enabled if you wish the Slip Printer to move the inserted ticket into a fixed position before printing. Select Not Enabled if you wish the Slip Printer to print at the position where the ticket was inserted.

Press **ENTER**.

F6 Short Money Slip

When you press F6 Short, the **Receipt -Short Slip** screen appears.



The Short Slip is a receipt for partial payment of parking fees, and a note of promise by the customer to pay the balance by a date printed on the slip.

F4 Config→ F2 Equip't→ F6 Short

To enter the Short Slip text:

1. Type text that will provide a receipt of money and a promise to pay the balance. A sample is provided on screen. Hold down the **ALPHA** key (or **ALT** key for small letters) and use the letters marked on the keyboard to type in the text for the Short Slip. The default text states: *Customer acknowledges receipt of goods and/or services in the amount of the SHORT AMOUNT shown hereon and agrees to pay this amount by the date shown below*. The short money slip is similar to the regular receipt, with the addition of the text designated here.
2. Press **ENTER**.
3. Continue configuration.

F7 Trailer Line 1

When you press F7 Trailer 1, the **Receipt -Trailer Line 1** screen appears.



The Trailer is located at the bottom of the receipt, where three lines of text may be printed.

To enter the Trailer Line 1 text:

1. Type the text that will be the first line of the Trailer. This line could be a Company message to the customer, for example. Hold down the **ALPHA** key (or **ALT** key for small letters) and use the letters marked on the keyboard to type in the text for Trailer Line 1. Press **ENTER**.
2. Select the Font name. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
3. Select the Font size. Use the up/down arrow keys to select one of the choices in the Summary Window. Press **ENTER**.
4. Indicate if the Trailer Line 1 should be bold. Use the up/down arrow keys to select one of the choices in the Summary Window. Press **ENTER**.
5. Indicate if the Trailer Line 1 should be in italics type. Use the up/down arrow keys to select one of the choices in the Summary Window. Press **ENTER**.
6. Continue the Configuration.

F8 Trailer Line 2

When you press F8 Trailer 2, the **Receipt -Trailer Line 2** screen appears.



To enter the Trailer Line 2 text:

1. Type the text that will be the second line of the Trailer. This line could be a Company message to the customer, for example. Hold down the **ALPHA** key (or **ALT** key for small letters) and use the letters marked on the keyboard to type in the text for Trailer Line 2.
Press **ENTER**.
2. Select the Font name. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
3. Select the Font size. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
4. Indicate if the Trailer Line 2 should be bold. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
5. Indicate if the Trailer Line 2 should be in italics type. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
6. Continue the Configuration.

F9 Trailer 3

When you press F9 Trailer 3, the **Receipt -Trailer Line 3** screen appears.



To enter the Trailer Line 3 text:

1. Type the text that will be the third line of the Trailer. This line could be a Company message to the customer, for example. Hold down the **ALPHA** key (or **ALT** key for small letters) and use the letters marked on the keyboard to type in the text for Trailer Line 3.
Press **ENTER**.
2. Select the Font name. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
3. Select the Font size. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
4. Indicate if the Trailer Line 3 should be bold. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
5. Indicate if the Trailer Line 3 should be in italics type. Use the up/down arrow keys to select one of the choices in the Summary Window.
Press **ENTER**.
6. Continue the Configuration.

F4 File Import and Export

When F4 File is pressed in the Configuration menu, the **Config - File** screen appears.



The **File** menu includes the Configuration, Rate, Maintenance, and ICVerify areas. Each of these areas represent a set of database files called tables. These tables may be copied, or exported, from the Fee Computer hard drive to a floppy diskette. These tables can then be copied, or imported, to several other Fee Computers or used for backup purposes. The export/import allows selective access and restrictions on Fee Computers.

F1 Configuration Tables

Press F1 Config to select the **Configuration** tables.



There are six types of Configuration tables that can be copied using the Function keys. These are the General Parameter Configuration, Equipment Configuration, Receipt Configuration, Tax tables, Currency Configuration and Report Configuration.

F4 Config→ F4 File→ F1 Config

To import Configuration files:

1. Press the function key of the tables to copy. You may select more than one.
2. Insert a diskette into the Fee Computer floppy drive that contains the particular configuration files to be copied to the hard drive.
3. Press **F4 Import** to import the files. A message on the screen will inform you of the import status.

To export files:

1. Press the function key of the tables to copy. You may select more than one.
2. Insert a blank diskette into the Fee Computer floppy drive.
3. Press **F9 Export** to export the files. A message on the screen will inform you of the export status.

F2 Rate Structure Files

Press **F2 Rate** to import or export rate structure database files.



To import rate structure files:

1. Insert a diskette into the diskette drive that contains the Rate structure database files to be copied.
2. Press **F1** to import the Rate structure database files. A message on screen will inform you of the import status.

To export rate structure files:

1. Insert a blank floppy diskette into the floppy drive.
2. Press **F9** to export the Rate structure database files. A message on screen will inform you of the export status.

F3 Maintenance Files

Press F3 Maint to view the **File Maintenance** screen.



There are four types of Maintenance database files that can be copied using the Function keys. These are the Cashier database, Store database, Service Card database and Holiday database files.

To import files:

1. Press the function key of the tables to copy. You may select more than one.
2. Insert a diskette into the Fee Computer floppy drive that contains the particular configuration files to be copied to the hard drive.
3. Press **F4 Import** to import the files. A message on screen will inform you of the import status.

To export files:

1. Press the function key of the tables to copy. You may select more than one.
2. Insert a blank diskette into the Fee Computer floppy drive.
3. Press **F9 Export** to export the files. A message on screen will inform you of the export status.

F6 ICVerify Files

An ICVerify configuration file allows the Fee Computer to process credit card transactions with a credit card clearing house. This file is only available through the Amano Cincinnati Parking Systems Products division. You must fill out and mail or fax the Credit Card Setup Application form supplied with each Fee Computer to obtain an ICVerify configuration file. Each AGP-5200 must have a unique ICVerify file to process credit cards.

Press **F6 ICVerify** to import or export an ICVerify configuration file.



To import an ICVerify file:

1. Insert a diskette into the diskette drive that contains the ICVerify configuration file to be copied.
2. Press **F1 Import** to import the ICVerify configuration file. A message on screen will inform you of the import status.

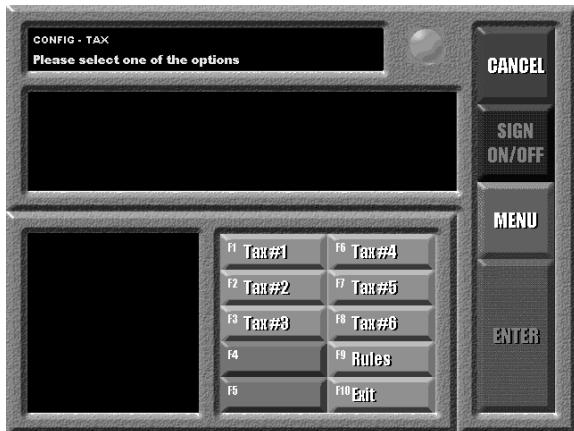
To export an ICVerify file:

1. Insert a blank floppy diskette into the floppy drive.
2. Press **F9 Export** to export the ICVerify configuration file. A message on screen will inform you of the export status.

Press the **Menu** key to return to the **Configuration** menu.

F6 Taxes

When you press F6 Tax - the **Config - Tax** screen appears.



The tax option provides six functions where different tax rates can be programmed. The tax rate may correspond to local, state or federal tax. In addition, there is a function for tax rules and how they apply to payment of parking fees.

F1 Tax Setup

When you press F1 Tax #1 the **Tax** screen appears.



To set up a tax rate:

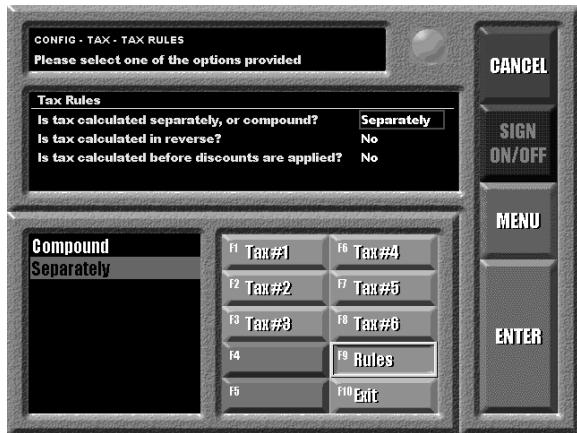
1. Type the Name of the tax. This is a required field. Hold down the ALPHA key (or ALT key for small letters) and use the letters marked on the keyboard to type the name. Press ENTER.
2. Type the Percent amount. The maximum should not be greater than 99.999% and the minimum should not be less than 0.001%. Press ENTER.

 **Note:** If you do not wish to use this particular tax, enter a 0.

3. Continue to set up additional taxes as required using the appropriate function keys.

F9 Tax Rules

Press F9 Rules to set up tax rules.



Is tax calculated separately, or compound?

To calculate multiple taxes, (local and state, for example) select the calculation method. Select Separately if each type of tax applied is calculated separately. Select Compound if each type of tax applied is calculated and then added together. Use the up/down arrow keys to select one of the choices in the Summary Window.

Press ENTER.

Is tax calculated in reverse?

Select Yes if you wish the tax to be included in the parking fee. This usually applies if you wish the final amount due to be an even dollar amount. (For example, if the amount due is \$10.00 and a 10% reverse tax is applied: the basic fee is changed to \$9.09 and a tax of \$0.91 is added for a total fee of \$10.00.) Use the up/down arrow keys to select Yes or No in the Summary Window.

Press ENTER.

Is tax calculated before discounts are applied?

Use the up/down arrow keys to select Yes or No in the Summary Window.

Press ENTER.

Press the Menu key to continue the Configuration.

F7 Currency Configuration

When you press F7 Currency - the **Config - Currency** screen appears.



The Fee Computer can be programmed to accept a Primary and Secondary currency. Fees, discounts and change are always calculated using the Primary currency. Fee Computer calculation can be switched to a Secondary currency during a transaction and re-calculation of fees can be made based on the selected exchange rate. This is accomplished through the F5 Specials function key in the transaction screen.

F1 Primary Currency



To set up the Primary Currency:

1. Type the Name of the currency (dollars, for example). Hold down the ALPHA key (or ALT key for small letters) and use the letters marked on the keyboard to type the name.
Press ENTER.
2. Select the Currency sign, or symbol to be used. Use the up/down arrow keys to select one of the choices in the Summary Window, or type another symbol.
Press ENTER.
3. Select a Position of the (monetary) sign. Use the up/down arrow keys to select one of the choices in the Summary Window. Press ENTER.

F4 Config→ F7 Currency→ F1 Primary

4. Type the Number of digits after the decimal. The maximum allowable is 3, the minimum is 0.
Press ENTER.

F6 Secondary Currency

Press F6 Second to set up the Secondary currency used.



To set up Secondary Currency parameters and exchange rates:

1. Type the Name of the secondary currency used (Mexican Pesos, for example). Hold down the ALPHA key (or ALT key for small letters) and use the letters marked on the keyboard to type the name.
Press ENTER.
2. Select the Currency sign, or symbol to be used. Use the up/down arrow keys to select one of the choices in the Summary Window, or type another symbol.
Press ENTER.
3. Select a Position of the (monetary) sign. Use the up/down arrow keys to select one of the four choices in the Summary Window.
Press ENTER.
4. Type the Number of digits after the decimal. The maximum allowable is 3, the minimum is 0.
Press ENTER.
5. Type in the exchange rate to convert the Primary currency to the Secondary currency. The maximum is 999999.999999, the minimum is 0.000001.
Press ENTER.
6. Press the Menu key to return to the Configuration Menu.

F8 Report Titles

Cashier Shift Reports can be automatically generated when a main cashier or relief cashier signs off. This is set up in the Auto Report screen found under the **Miscellaneous** section of **Equipment** in the **Configuration** menu. These reports can also be run on demand by pressing F2 Total through the **Menu** key in the transaction screen. These reports can be assigned a name through this screen.

The Shift Subtotal report includes: cashier log; cash totals; dollars totals; revenue summary; gross sales; discounts; taxes; and counts. The Shift Subtotal report does not clear this information from memory. Further transactions are added to the Total counter.

The Shift Total report includes: cashier log; cash totals; dollars totals; revenue summary; gross sales; discounts; taxes; and counts. When the Shift Totals report is run the Subtotals are reset to 0. The Shift Total reports are assigned a serial number which is incremented by one each time the report is run.

When you press F8 Reports - the **Config - Reports** screen appears.



To setup Reports Titles:

1. Type the report name that will be printed on the Shift Subtotal and Total report. (Cashier Shift Report, for example.) Hold down the ALPHA key (or ALT key for small letters) and use the letters marked on the keyboard to type the name. Press **ENTER**.
2. Type the report name that will be printed on the Shift Summary level 1 Subtotal and Total report (Daily Report, for example). Hold down the ALPHA key (or ALT key for small letters) and use the letters marked on the keyboard to type the name. Press **ENTER**.
3. Type the report name that will be printed on the Shift Summary level 2 Subtotal and Total report (Weekly Report, for example). Hold down the ALPHA key (or ALT key for small letters) and use the letters marked on the keyboard to type the name. Press **ENTER**.

Config→ F8 Report

4. Type the report name that will be printed on the Shift Summary level 3 Subtotal and Total report (Yearly Report, for example). Hold down the **ALPHA** key (or **ALT** key for small letters) and use the letters marked on the keyboard to **F4** type the name.
Press **ENTER**.

F9 Statistical Reports

Statistical Reports can be generated from the Fee Computer normal transaction screen by pressing the **Menu** key, then pressing the **F5 Management** function key, then pressing the **F1 Reports** function key. The Vehicle Length of Stay, Parking Fee, and Vehicle Entry/Exit report parameters all include a number of default time categories that are set up in each appropriate area of the Configuration utility.

When you press **F9 StatRep** - the **Config - Statistical Reports** screen appears.



The **F1 Prev** and **F6 Next** function keys are used to page through the multiple parameter screens for each report.

F2 Length of Stay Report



The Length of Stay Report details the number of vehicles that used the facility and a length of time range that the vehicles stayed. In the report there are a total of 36 Time Period Categories listed on 6 pages. The default time periods cover a span of ten minutes each from 0 minutes to 6 hours. For example, Category 1 = 000:00 to 000:10, Category 2 = 000:11 to 000:20 and so on. Each of these default time periods can be changed, but must remain in the hhh:mm format. (2 days = 048:00) The default settings defined here can be temporarily changed when each report is run. Press the ENTER key to advance through each field. Use the backspace key if you make a mistake in any field. You must enter all digits of a time period including leading zeros.

F3 Parking Fee Report



The Parking Fee Classification Report details the number of vehicles that used the facility and the parking fee range in which the fees are organized. There are a total of 12 Parking Fee Categories for each of 8 Areas listed on 16 pages. The default parking fees cover a span of one dollar each from 0 to 12 dollars. For example, Category 1 = 0.00 to 1.00, Category 2 = 1.01 to 2.00 and so on. The default settings defined here can be temporarily changed when each report is run. Press the ENTER key to advance through each field. Use the backspace key if you make a mistake in any field. You must use the decimal point when entering cents.

F4 Entry / Exit Report



The Entry/Exit Classification Report details the number of vehicles that entered or exited the facility and the time of day zone in which this occurred. There are a total of 48 Time Zone Categories that cover a one day period listed on 8 pages. The default time zones cover a span of 30 minutes each from 00:00 to 23:59. For example, Category 1 = 00.00 to 00:30, Category 2 = 00:31 to 01:00 and so on. The default settings defined here can be temporarily changed when each report is run. Press the ENTER key to advance through each field. Use the backspace key if you make a mistake in any field.

Press the F10 key to Exit General Configuration and/or to access any of the following functions:

- F1 Normal Fee Computer transaction screen
- F2 Maintenance Maintenance utility
- F3 Rate Rate Setup utility
- F4 Reports Fee Computer and Journal Reports when selectable.

AMANO CINCINNATI, INC.

A Company of the AMANO Group/Yokohama
140 Harrison Avenue, Roseland, NJ 07068

Atlanta Sales Office
(770) 587-1082 • (800) 554-1031

Chicago Sales Office
(847) 718-1100 • (800) 323-8864

Cincinnati Sales Office
(513) 697-9000 • (800) 487-7564

Dallas Sales Office
(972) 241-9146 • (800) 527-4037

Los Angeles Sales Office
(714) 970-2280 • (800) 854-5977

New Jersey Sales Office
(973) 403-1900 • (800) 526-2559

Toronto Sales Office
(905) 624-4085 • (800) 387-3388